

PROJECT DESCRIPTION

I. General

This project involves the modification of an existing traffic control signal in conjunction with geometric improvements at the intersection of Olney Sandy Spring Road (MD 108) and Spartan Road in Montgomery County, Maryland. Spartan Rd. is assumed to run in a North-South direction.

II. Intersection Operation

There is no change to the existing phasing operation.

III. Special Notes

1. Maintenance of traffic will be handled by the Contractor utilizing the following standard plates for traffic control:
104.00-13, 104.00-19, 104.00-21, 104.00-24, 104.17-02,
104.33-02, 104.4-02, 104.41-02, 104.48-02,
104.49-02, 104.81-01

2. The following contact persons for District #3 are as follows:

Mr. Richard L. Daff, Sr. Chief, Traffic Operations Design Division Phone # (410) 787-7630	Mr. Robert Gonzales Engineer III (Montgomery County) Phone # (240) 777-8761
Mr. Roselyn Medley Asst. District Engineer - Maintenance Phone # (301) 513-7304	Mr. Augustine Rebish Asst. District Engineer - Utility Phone # (301) 513-7350
Mr. Lee Starkloff District Engineer - Traffic Phone # (301) 513-7358	Mr. Ed Rodenhizer Signal Shop Supervisor Phone # (410) 787-7652

3. ALL DISCONNECTING AND CONNECTING OF TRAFFIC SIGNAL INTERCONNECT CABLE SHALL BE THE RESPONSIBILITY OF THE MONTGOMERY COUNTY DP&T. CONTACT MR. ROBERT GONZALES AT (240) 777-8761 AT LEAST 72 HOURS PRIOR TO INITIATING ANY CONSTRUCTION WORK

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

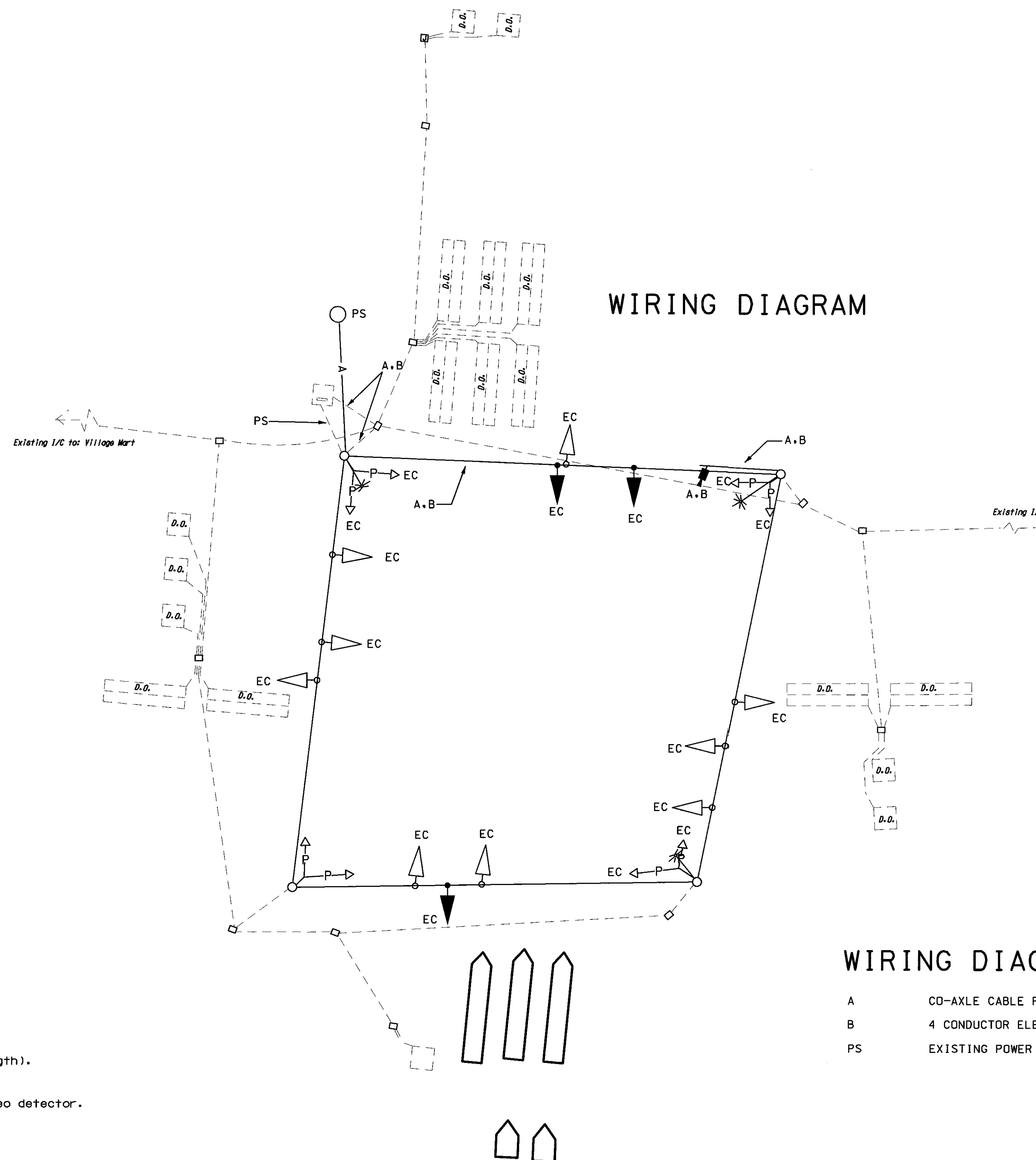
QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
LS	LS	104	Maintenance of Traffic.
LS	LS	SP	Mobilization.
15	LF	549	Furnish and install 24 in. white heat applied thermoplastic pavement marking tape.
400	LF	549	Furnish and install double yellow (5 in. mark, 4 in. space, 3 in. mark) heat applied thermoplastic pavement marking tape.
250	EA	549	Furnish and install 5 in. white heat applied thermoplastic pavement marking tape.
4	EA	549	Furnish and install white heat applied thermoplastic permanent preformed pavement marking symbol
6	EA	814	Furnish and install 12 in. 1 way polycarbonate, black-faced signal head section.
3	EA	814	Furnish and install 8 in. 1 way polycarbonate, black-faced signal head section.
LS	LS	SP	Remove and dispose of existing signal equipment.
1	EA	SP	Furnish and install video detection camera with arm and clamp.
1	EA	SP	Furnish and install video interface equipment (coordinate installation with Montgomery County).
1	EA	SP	Furnish and install video cable (co-axle) to the controller (250' length).
250	LF	810	Furnish and install 4 conductor (No. 14 AWG) electrical cable for video detector.
25	SF	813	Furnish sheet aluminum signs consisting of: 1 EA R3-5R (30"x36") 1 EA R4-7 (30"x36") 1 EA R3-8 MOD. (30"x36")
2	EA	813	Furnish and install ground mounted sign.
1	EA	813	Furnish and install spanwire mounted sign.
1	EA	822	Remove existing ground mounted sign.
1	EA	822	Remove existing span wire mounted sign.
1	EA	822	Relocate existing span wire mounted sign
80	LF	609	Install Standard Type A combination curb and gutter 12 in. gutter pan and 8 in. curb depth.
110	LF	206	Remove curb and gutter.
25	SY	505	Install full depth paving.

EQUIPMENT LIST (CONT.)

A. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
1000	SY	505	Hot mix asphalt pavement (overlay).
1000	SY	508	1 1/2" milling existing asphalt.

WIRING DIAGRAM



WIRING DIAGRAM

A CO-AXLE CABLE FOR VIDEO DETECTOR
B 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) FOR VIDEO DETECTOR
PS EXISTING POWER SOURCE

WELLS & ASSOCIATES, LLC

TRANSPORTATION, TRAFFIC, AND PARKING CONSULTANTS
1420 Spring Hill Rd., Suite 600
McLean, VA 22102
Phone: (703) 917-6620 Fax: (703) 917-0739
170 Jennifer Rd., Suite 260
Annapolis, MD 21401
Phone: (301) 970-2402 Fax: (410) 266-9189



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNAL MODIFICATION PLAN
MD 108 (OLNEY SANDY SPRING ROAD) & SPARTAN ROAD

DRAWN BY: WT	F.A.P. NO. ---	TS NO. TS-2503A	SHEET NO. 2 OF 2
CHECKED BY: CT	S.H.A. NO. ---	T.I.M.S. NO. F248	
SCALE: NTS	COUNTY: MONTGOMERY	LOG MILE: 15010813.67	
DATE: 12/18/02			